

**PATENT COOPERATION TREATY**

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

**PCT**  
*TRANSLATION*

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

		Date of mailing (day/month/year)
Applicant's or agent's file reference <b>105-1004</b>		FOR FURTHER ACTION See paragraph 2 below
International application No. <b>PCT/JP2005/010860</b>	International filing date (day/month/year) <b>14.06.2005</b>	Priority date (day/month/year) <b>14.06.2004</b>
International Patent Classification (IPC) or both national classification and IPC		
Applicant <b>ASAHI KASEI CHEMICALS CORPORATION</b>		

1. This opinion contains indications relating to the following items:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Box No. I	Basis of the opinion							
Box No. II	Priority							
Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
Box No. IV	Lack of unity of invention							
Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI	Certain documents cited							
Box No. VII	Certain defects in the international application							
Box No. VIII	Certain observations on the international application							

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

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Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
 a sequence listing  
 table(s) related to the sequence listing
  - b. format of material  
 in written format  
 in computer readable form
  - c. time of filing/furnishing  
 contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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PCT/JP2005/010860

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																																					
<p><b>1. Statement</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Novelty (N)</td> <td style="width: 60%;">Claims</td> <td style="width: 20%; text-align: right;">YES</td> </tr> <tr> <td></td> <td>1-5</td> <td></td> </tr> <tr> <td></td> <td>Claims</td> <td>NO</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td style="padding-top: 10px;">Inventive step (IS)</td> <td>Claims</td> <td style="text-align: right;">YES</td> </tr> <tr> <td></td> <td>1-5</td> <td></td> </tr> <tr> <td></td> <td>Claims</td> <td>NO</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td style="padding-top: 10px;">Industrial applicability (IA)</td> <td>Claims</td> <td style="text-align: right;">YES</td> </tr> <tr> <td></td> <td>1-5</td> <td></td> </tr> <tr> <td></td> <td>Claims</td> <td>NO</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p><b>2. Citations and explanations:</b></p> <p>Document 1: JP 2003-34722 A (Asahi Kasei Corp.), 07 February 2003</p> <p>Claims 1-5</p> <p>The inventions of claims 1-5 appear to involve an inventive step with respect to document 1 cited in the ISR.</p> <p>Document 1 does not describe, when reacting an aromatic dihydroxyl compound with a diaryl carbonate continuously using a closed reactor/pipeline system which comprises a plurality of reactors connected liquid-tightly by a pipeline consisting of one or more pipes toward the port for discharging an aromatic polycarbonate final product with at least two of the reactors connected in series, and at least one filter set in at least one of the pipes, taking the filter(s) out of the reactor/pipeline system simultaneously or separately, washing the filter(s) with an aqueous solution of a basic compound, an aromatic monohydroxyl compound, and a molten mixture of an aromatic dihydroxyl compound and a diaryl carbonate which contains 1-10,000 ppb basic compound in this sequence outside the reactor/pipeline system, and then returning the filter(s) into the pipe(s) of the system for reuse. Meanwhile, this application's invention achieves the advantageous effects of preventing terminating hydroxyl percentage fluctuation, unstable operation, and molecular weight decrease, and of making it possible to produce an aromatic polycarbonate without coloration.</p>			Novelty (N)	Claims	YES		1-5			Claims	NO				Inventive step (IS)	Claims	YES		1-5			Claims	NO				Industrial applicability (IA)	Claims	YES		1-5			Claims	NO			
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